

IN THE CLAIMS:

Please amend the claims as follows:

1. (Currently Amended) A method for testing computing devices, the method comprising:

providing a suite of test programs on a server for execution by a plurality of said computing devices that are coupled to said server;

distributing different ones of said test programs from said server to said computing devices for concurrent execution thereof by said computing devices;

receiving messages from said computing devices upon completion of said execution of said distributed test programs; in response to receiving said messages, iterating said step of distributing test programs until all of said test programs in said suite have been executed;

in response to one of said computing devices being detached from said server, marking unexecuted ones of said test programs that were distributed to said one ~~computing device~~ of said computing devices to indicate that these test programs were not executed by said one ~~computing device~~ of said computing devices.

2. (Original) The method according to claim 1, wherein said test programs are distributed as JAR files and JAD files.

3. (Original) The method according to claim 2, wherein said JAD files are constructed responsively to said messages.

4. (Previously Presented) The method according to claim 1, further comprising:
dynamically coupling a new computing device to said server; and
reallocating said test programs to said computing devices and said new computing device.

5. (Previously Presented) The method according to claim 1, further comprising

prior to distributing said test programs for execution, receiving requests at said server from said computing devices requesting said server to provide test programs to said computing devices; and

receiving additional requests at said server from said computing devices with respect to said execution of said test programs to determine a next test to execute at each of the corresponding computing devices.

6. (Previously Presented) The method according to claim 1, wherein said distributing test programs comprises removing said different ones of said test programs from a stack.

7. (Previously Presented) The method according to claim 1, wherein said distributing test programs comprises assigning said different ones of said test programs in groups comprising a plurality of said test programs so as to minimize a completion time of said suite.

8. (Currently Amended) A computer software product, comprising a computer-readable storage medium in which computer program instructions are stored, which instructions, when read by a computer, cause the computer to perform a method for testing computing devices, the method comprising:

accessing a suite of test programs on a server for execution by a plurality of said computing devices that are coupled to said server;

distributing different ones of said test programs from said server to said computing devices for concurrent execution thereof by said computing devices;

receiving messages from said computing devices upon completion of said execution of said distributed test programs;

in response to receiving said messages, iterating said step of distributing test programs until all of said test programs in said suite have been executed;

in response to one of said computing devices being detached from said server, marking unexecuted ones of said test programs that were distributed to said one

~~computing device~~ of said computing devices to indicate that these test programs were not executed by said one ~~computing device~~ of said computing devices.

9. (Original) The computer software product according to claim 8, wherein said test programs are distributed as JAR files and JAD files.

10. (Original) The computer software product according to claim 9, wherein said computer is further instructed to construct said JAD files responsively to said messages.

11. (Original) The computer software product according to claim 8, wherein said computer is further instructed to perform the steps of:

dynamically coupling a new computing device to said server; and
reallocating said test programs to said computing devices and said new computing device.

12. (Currently Amended) The computer software product according to claim 8, wherein said computer is further instructed to perform the step of:

dynamically detaching said one of said computing devices from said server.

13. (Previously Presented) The computer software product according to claim 8, wherein said distributing test programs comprises removing said different ones of said test programs from a stack.

14. (Previously Presented) The computer software product according to claim 8, wherein said distributing test programs comprises assigning said different ones of said test programs in groups comprising a plurality of said test programs so as to minimize a completion time of said suite.

15. (Previously Presented) A method for testing computing devices, the method comprising:

providing a suite of test programs on a server for execution by a plurality of said computing devices that are coupled to said server;

receiving requests at said server from said computing devices requesting said server to provide test programs to said computing devices;

assigning a respective unique identifier to each of said computing devices, for use in communicating with said server;

making respective allocations comprising different ones of said test programs for said computing devices;

distributing said different ones of said test programs from said server to said computing devices for concurrent execution thereof by said computing devices;

receiving messages at said server from said computing devices upon completion said execution of said distributed test programs, wherein each of said messages includes a request to determine a next test to execute at the corresponding computing device and also includes said respective unique identifier; and

in response to receiving said messages, iterating said step of distributing test programs until all of said test programs in said suite have been executed.

16. (Original) The method according to claim 15, wherein said step of making respective allocations is performed so as to minimize a completion time of said suite of test programs.

17. (Previously Presented) The method according to claim 15, further comprising:
coupling a new computing device to said server; and
reallocating said test programs to said computing devices and said new computing device.

18. (Currently Amended) The method according to claim 15, further comprising:
detaching an attached one of said computing devices from said server; and
marking unexecuted ones of said test programs that were distributed to said one ~~computing device~~ of said computing devices to indicate that these test programs were not executed by said one ~~computing device~~ of said computing devices.

19. (Original) The method according to claim 15, wherein said computing devices comprise MIDP-compliant devices, and

wherein said test programs comprise MIDlets, which are packaged in respective JAD files and JAR files, and

wherein allocating said test programs comprises downloading said JAD files and said JAR files to said MIDP-compliant devices.

20. (Previously Presented) A computer software product, comprising a computer-readable storage medium in which computer program instructions are stored, which instructions, when read by a computer, cause the computer to perform a method for testing computing devices, the method comprising:

accessing a suite of test programs that are stored on a server for execution by a plurality of said computing devices that are coupled to said server;

receiving requests at said server from said computing devices requesting said server to provide test programs to said computing devices;

assigning a respective unique identifier to each of said plurality of said computing devices, for use in communicating with said server;

making respective allocations comprising different ones of said test programs for said computing devices;

distributing said different ones of said test programs from said server to said computing devices for concurrent execution thereof by said computing devices;

receiving messages at said server from said computing devices upon completion said execution of said distributed test programs, wherein each of said messages includes a request to determine a next test to execute at the corresponding computing device and also includes said respective unique identifier; and

in response to receiving said messages, iterating said step of distributing test programs until all of said test programs in said suite have been executed.

21. (Original) The computer software product according to claim 20, wherein said step of making respective allocations is performed so as to minimize a completion time of said suite of test programs.

22. (Original) The computer software product according to claim 20, wherein said computer is further instructed to perform the steps of:

coupling a new computing device to said server; and

reallocating said test programs to said computing devices and said new computing device.

23. (Currently Amended) The computer software product according to claim 20, wherein said computer is further instructed to perform the steps of:

detaching one of said computing devices from said server; and

marking unexecuted ones of said test programs that were distributed to said one ~~computing device~~ of said computing devices to indicate that these test programs were not executed by said one ~~computing device~~ of said computing devices.

24. (Original) The computer software product according to claim 20, wherein said computing devices comprise MIDP-compliant devices, and

wherein said test programs comprise MIDlets, which are packaged in respective JAD files and JAR files, and

wherein allocating said test programs comprises downloading said JAD files and said JAR files to said MIDP-compliant devices.

25. (Currently Amended) A server for testing computing devices, comprising:

a communication interface for coupling a plurality of said computing devices thereto; and

a processor configured to access a suite of test programs for execution by said computing devices that are coupled to said server;

wherein said processor is configured to distribute different ones of said test programs via said communication interface to said computing devices for concurrent execution thereof by said computing devices;

wherein said processor is configured to receive messages via said communication interface from said computing devices indicating completion of said execution of said distributed test programs;

wherein, in response to receiving said messages, said processor is configured to distribute remaining ones of said test programs iteratively to said computing devices for execution thereof until all of said test programs in said suite have been executed;

wherein, in response to one of said computing devices being detached from said server, said processor is configured to mark unexecuted ones of said test programs that were distributed to said ~~one computing device~~ of said computing devices to indicate that these test programs were not executed by said ~~one computing device~~ of said computing devices.

26. (Original) The server according to claim 25, wherein said test programs are distributed as JAR files and JAD files.

27. (Original) The server according to claim 26, wherein said JAD files are constructed responsively to said messages.

28. (Previously Presented) The server according to claim 25, wherein, in response to a new computing device being coupled to said server, said processor is configured to reallocate said test programs to said computing devices and said new computing device.

29. (Previously Presented) The server according to claim 25, wherein said processor is configured to:

prior to distributing said test programs for execution, receive requests at said server from said computing devices requesting said server to provide test programs to said computing devices; and

receive additional requests at said server from said computing devices with respect to said execution of said test programs to determine a next test to execute at each of the corresponding computing devices.

30. (Previously Presented) The server according to claim 25, wherein said processor is further configured to assign said different ones of said test programs in groups comprising a plurality of said test programs so as to minimize a completion time of said suite.

31. (Previously Presented) A server for testing computing devices, comprising:

a communication interface for coupling a plurality of said computing devices thereto; and

a processor configured to access a suite of test programs for execution by said computing devices that are coupled to said server;

wherein said processor is configured to receive requests from said computing devices requesting said server to provide test programs to said computing devices;

wherein said processor is configured to assign a respective unique identifier to each of said computing devices for use in communicating with said server;

wherein said processor is configured to make respective allocations comprising different ones of said test programs for said computing devices;

wherein said processor is configured to distribute said different ones of said test programs from said server to said computing devices for concurrent execution thereof by said computing devices;

wherein said processor is configured to receive messages from said computing devices indicating completion of said execution of said distributed test programs, wherein each of said messages includes a request to determine a next test to execute at the corresponding computing device and also includes said respective unique identifier; and

wherein, in response to receiving said messages, said processor is configured to distribute remaining ones of said test programs iteratively to said computing devices for execution thereof until all of said test programs in said suite have been executed.

32. (Previously Presented) The server according to claim 31, wherein, in response to a new computing device being coupled to said server, said processor is configured to reallocate said test programs to said computing devices and said new computing device.

33. (Currently Amended) The server according to claim 31, wherein, in response to one of said computing devices being detached from said server, said processor is configured to mark unexecuted ones of said test programs that were distributed to said ~~one computing device~~ of said computing devices to indicate that these test programs were not executed by said one ~~computing device~~ of said computing devices.

34. (Original) The server according to claim 31, wherein said computing devices comprise MIDP-compliant devices, and said test programs comprise MIDlets, which are packaged in respective JAD files and JAR files, and wherein said processor has further instructions to allocating said test programs by downloading said JAD files and said JAR files to said MIDP-compliant devices.